



(43) International Publication Date
2 August 2001 (02.08.2001)

PCT

(10) International Publication Number
WO 01/55343 A1

(51) International Patent Classification ⁷ : C12N 1/13, 1/15, 1/21, 5/10, 15/11, 15/63, C07K 14/00	60/226,279	18 August 2000 (18.08.2000)	US
	60/226,868	22 August 2000 (22.08.2000)	US
	60/227,182	22 August 2000 (22.08.2000)	US
(21) International Application Number: PCT/US01/01322	60/226,681	22 August 2000 (22.08.2000)	US
	60/227,009	23 August 2000 (23.08.2000)	US
(22) International Filing Date: 17 January 2001 (17.01.2001)	60/228,924	30 August 2000 (30.08.2000)	US
	60/229,344	1 September 2000 (01.09.2000)	US
(25) Filing Language: English	60/229,343	1 September 2000 (01.09.2000)	US
	60/229,287	1 September 2000 (01.09.2000)	US
(26) Publication Language: English	60/229,345	1 September 2000 (01.09.2000)	US
	60/229,513	5 September 2000 (05.09.2000)	US
(30) Priority Data:	60/229,509	5 September 2000 (05.09.2000)	US
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(54) Title: NUCLEIC ACIDS, PROTEINS, AND ANTIBODIES

(57) Abstract: The present invention relates to novel connective tissue related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "connective tissue antigens", and the use of such connective tissue antigens for detecting disorders of connective tissue(s), particularly the presence of cancer and cancer metastases. More specifically, isolated connective tissue associated nucleic acid molecules are provided encoding novel connective tissue associated polypeptides. Novel connective tissue polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human connective tissue associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to connective tissue(s), including cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

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